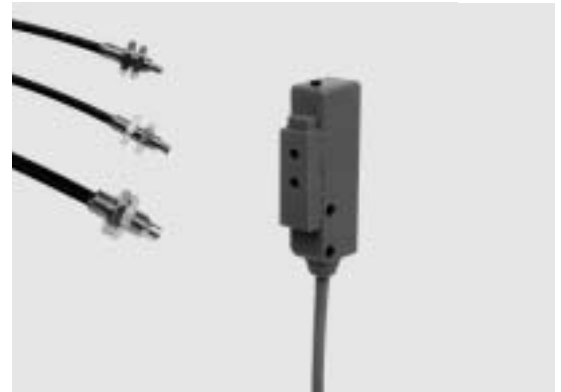


AFP 989 S



- Sensing distance with glass fibre
See technical information on sheet "Plastic Fibre Optics"
- Supply : 10 to 30 VDC
- Output : PNP or NPN
- Trimmer sensibility set-up



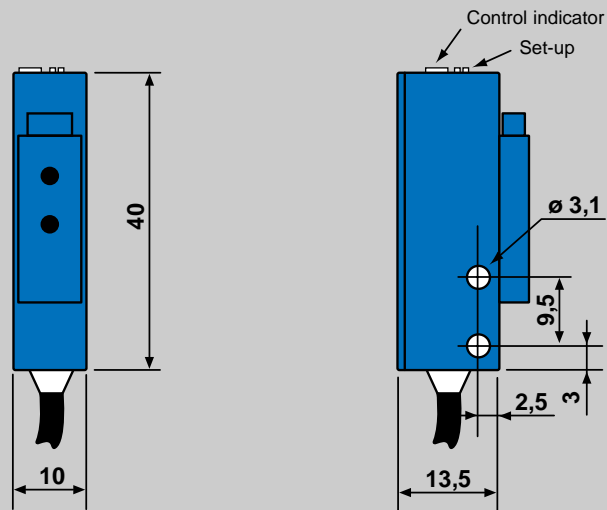
Description :

- Miniaturised
- Integrated amplifier
- Quick set-up of the plastic fibre
- Detection indication by LED
- Direct / inverse output
- Red pulsed visible light
- 2 m cable or M8 plug
- Cheap product

Applications :

- Detection of parts in a difficult access.
- Plastic fibre use in vibrating surroundings.
- Small spaces conditioning sensors.

Encombrement

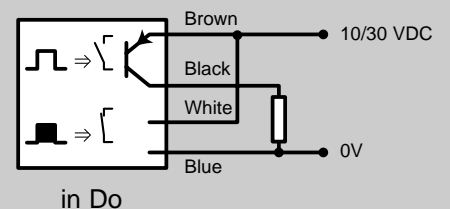
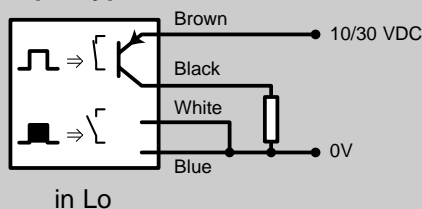


Wiring Connections

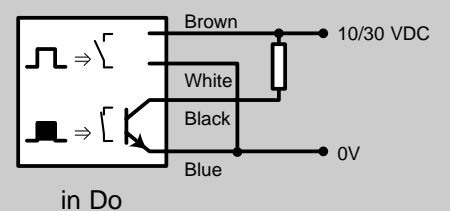
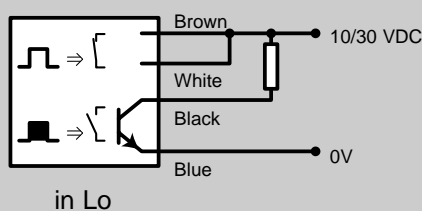
⇒ Diffuse reflection sensor

⇒ Through-beam detection

P output type



N output type



Technical Information

Supply	voltage	10 / 30 VDC ripple < 10% within specified limits
	consumption	< 25 mA
Response time	t _{on} or t _{off}	1 mS
	switching frequency	500 Hz
Output	max. nominal frequency	100 mA
	residual voltage at 100 mA	< 2 V
	residual voltage at 10 mA	< 1 V
Emission	LED	red pulsed
	modulation frequency	6 KHz
Temperature	operating	0 to 50° C
	storage	- 20° to 80° C
External light immunity	incandescent light	5 000 lux
	sunlight	10 000 lux
Protections	supply	inverse polarity protection
	output	permanent short-circuit or over-load protection
	degree	IP 65
Directe / inverse function		by cable, see "Wiring Connections"

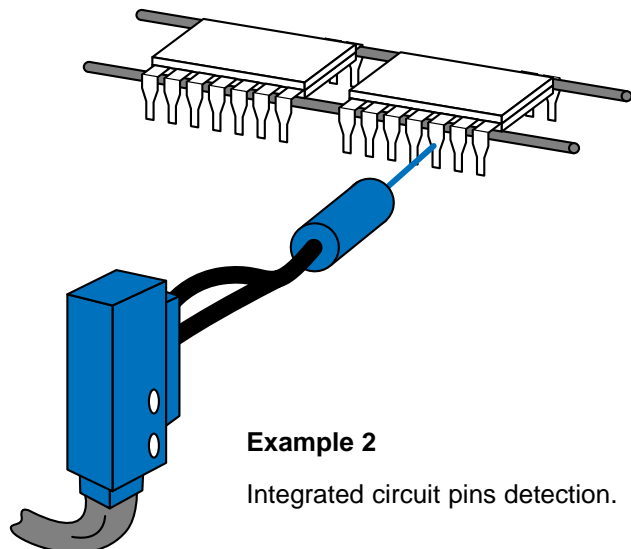
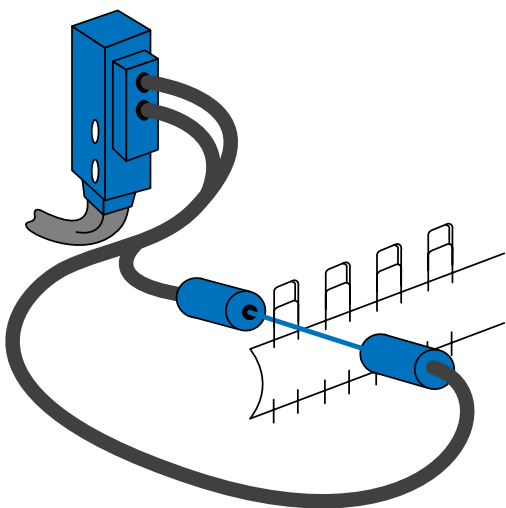
To Place Order

Product	Plastic fibre miniature optic sensor
Reference	AFP 989 SN - 2 m cable output (NPN) AFP 989 SP - 2m cable output (PNP) AFP (C0) 989 SN - plug output (NPN) AFP (C0) 989 SP - plug output (PNP)

TYPE OF APPLICATIONS

Example 1

Pins detection on electronic circuits.



Example 2

Integrated circuit pins detection.